

AMENDMENTS TO THE CLAIMS

The following is a complete listing of the claims that replaces all previous versions:

1. (Currently Amended) A valve assembly comprising:

a first check valve structured to permit fluid flow therethrough in response to application of positive pressure at an inlet of said first check valve, further comprising an outlet of said first check valve being in fluid communication with at least a portion of a fluid system, wherein the application of positive pressure causes fluid to flow from a common refill/evacuation location through said first check valve into said fluid system;

a second check valve having an outlet in fluid communication with said inlet of said first check valve, said second check valve being structured to permit fluid flow therethrough in response to application of negative pressure at said outlet of said second check valve, further comprising an inlet of said second check valve being in fluid communication with at least a portion of said fluid system, wherein the application of negative pressure causes fluid to flow from said fluid system through said second check valve into the common refill/evacuation location; and,

an inlet/outlet port in fluid communication with said inlet of said first check valve and said outlet of said second check valve at ~~a~~the common refill/evacuation location.

2. (Original) The valve assembly of Claim 1, wherein said fluid system portion includes at least a pre-filter portion.

3. (Original) The valve assembly of Claim 2, further comprising said pre-filter portion of said fluid system being in fluid communication with at least one fluid filter.

4. (Original) The valve assembly of Claim 1, further comprising said second check valve being in fluid communication with at least one fluid reservoir.

5. (Original) The valve assembly of Claim 1, further comprising at least one quick disconnect connection operatively associated with said inlet/outlet port.

6. (Original) The valve assembly of Claim 1, further comprising at least one fluid component in fluid communication with said inlet/outlet port.

7. (Currently Amended) A valve system comprising:
a first valve assembly comprising,
a first check valve structured to permit fluid flow therethrough in response to application of positive pressure at an inlet of said first check valve, further comprising an outlet of said first check valve being in fluid communication with a first portion of a fluid system, wherein the application of positive pressure causes fluid to flow from a first common refill/evacuation location through said first check valve into the first portion of said fluid system;

a second check valve having an outlet in fluid communication with said inlet of said first check valve, said second check valve being structured to permit fluid flow therethrough in response to application of negative pressure at said outlet of said second check valve, further comprising an inlet of said second check valve being in fluid communication with at least the first portion of said fluid system, wherein the application of negative pressure causes fluid to flow from the first portion of said fluid system through said second check valve into the first common refill/evacuation location;

a first inlet/outlet port in fluid communication with said inlet of said first check valve and said outlet of said second check valve at ~~a~~the first common refill/evacuation location;

a second valve assembly comprising,

a third check valve structured to permit fluid flow therethrough in response to application of positive pressure at an inlet of said third check valve, further comprising an outlet of said third check valve being in fluid communication with a second portion of a fluid system, wherein the application of positive pressure causes fluid to flow from a second common refill/evacuation location through said third check valve into the second portion of said fluid system;

a fourth check valve having an outlet in fluid communication with said inlet of said third check valve, said fourth check valve being structured to permit fluid flow therethrough in response to application of negative pressure at said outlet of said fourth check valve, further comprising an inlet of said fourth check valve being in fluid communication with at least the second portion of said fluid system, wherein the application of negative pressure

causes fluid to flow from the second portion of said fluid system through said fourth check valve into the second common refill/evacuation location; and,

a second inlet/outlet port in fluid communication with said inlet of said third check valve and said outlet of said fourth check valve at a the second common refill/evacuation location.

8. (Original) The valve system of Claim 7, wherein at least one of said first portion of a fluid system and said second portion of a fluid system includes at least a pre-filter portion.

9. (Original) The valve system of Claim 8, further comprising said pre-filter portion being in fluid communication with at least one fluid filter.

10. (Original) The valve system of Claim 7, further comprising at least one of said second check valve and said fourth check valve being in fluid communication with at least one fluid reservoir.

11. (Original) The valve system of Claim 7, further comprising at least one quick disconnect connection operatively associated with at least one of said first inlet/outlet port and said second inlet/outlet port.

12. (Original) The valve system of Claim 7, further comprising at least one fluid component in fluid communication with at least one of said inlet/outlet ports.

13. (Currently Amended) The valve system of Claim 7, further comprising:
at least a third valve assembly comprising,

a fifth check valve structured to permit fluid flow therethrough in response to application of positive pressure at an inlet of said fifth check valve, further comprising an outlet of said fifth check valve being in fluid communication with a third portion of a fluid system, wherein the application of positive pressure causes fluid to flow from a third common refill/evacuation location through said fifth check valve into said fluid system;

a sixth check valve having an outlet in fluid communication with said inlet of said fifth check valve, said sixth check valve being structured to permit fluid flow therethrough in response to application of negative pressure at said outlet of said sixth check valve, further comprising an inlet of said sixth check valve being in fluid communication with at least the third portion of said fluid system, wherein the application of negative pressure causes fluid to flow from the third portion of said fluid system through said sixth check valve into the third common refill/evacuation location; and,

a third inlet/outlet port in fluid communication with said inlet of said fifth check valve and said outlet of said sixth check valve at ~~a~~the third common refill/evacuation location.

14. (Original) The valve system of Claim 13, wherein at least one of said first portion of a fluid system, said second portion of a fluid system, and said third portion of a fluid system includes at least a pre-filter portion.

15. (Original) The valve system of Claim 14, further comprising said pre-filter portion being in fluid communication with at least one fluid filter.

16. (Original) The valve system of Claim 13, further comprising at least one of said second, fourth and sixth check valves being in fluid communication with at least one fluid reservoir.

17. (Original) The valve system of Claim 13, further comprising at least one quick disconnect connection operatively associated with at least one of said inlet/outlet ports.

18. (Original) The valve system of Claim 13, further comprising at least one fluid component in fluid communication with at least one of said inlet/outlet ports.

Claims 19-36 (Cancelled).

37. (Currently Amended) A module comprising:
a first valve assembly comprising,

a first check valve structured to permit fluid flow therethrough in response to application of positive pressure at an inlet of said first check valve, further comprising an outlet of said first check valve being in fluid communication with a first portion of a fluid system, wherein the application of positive pressure causes fluid to flow from a first common refill/evacuation location through said first check valve into said fluid system;

a second check valve having an outlet in fluid communication with said inlet of said first check valve, said second check valve being structured to permit fluid flow therethrough in response to application of negative pressure at said outlet of said second check valve, further comprising an inlet of said second check valve being in fluid communication with at least the first portion of said fluid system, wherein the application of negative pressure causes fluid to flow from the first portion of said fluid system through said second check valve into the first common refill/evacuation location;

a first inlet/outlet port in fluid communication with said inlet of said first check valve and said outlet of said second check valve at ~~a~~the first common refill/evacuation location;

at least a second valve assembly comprising,

a third check valve structured to permit fluid flow therethrough in response to application of positive pressure at an inlet of said third check valve, further comprising an outlet of said third check valve being in fluid communication with a second portion of a fluid system, wherein the application of positive pressure causes fluid to flow from a second common refill/evacuation location through said third check valve into said fluid system;

a fourth check valve having an outlet in fluid communication with said inlet of said third check valve, said fourth check valve being structured to permit fluid flow therethrough in response to application of negative pressure at said outlet of said fourth check valve, further comprising an inlet of said fourth check valve being in fluid communication with at least the second portion of said fluid system, wherein the application of negative pressure causes fluid to flow from the second portion of said fluid system through said fourth check valve into the second common refill/evacuation location;

a second inlet/outlet port in fluid communication with said inlet of said third check valve and said outlet of said fourth check valve at ~~a~~the second common refill/evacuation location; and,

said first and second valve assemblies being coupled together to form said module.

38. (Original) The module of Claim 37, wherein at least one of said first portion of a fluid system and said second portion of a fluid system includes at least a pre-filter portion.

39. (Original) The module of Claim 38, further comprising said pre-filter portion being in fluid communication with at least one fluid filter.

40. (Original) The module of Claim 37, further comprising at least one of said second check valve and said fourth check valve being in fluid communication with at least one fluid reservoir.

41. (Original) The module of Claim 37, further comprising at least one quick disconnect connection operatively associated with at least one of said inlet/outlet ports.

Claims 42-43 (Cancelled).

44. (Original) The module of Claim 37, further comprising at least one fluid component in fluid communication with at least one of said inlet/outlet ports.

Claims 45-54 (Cancelled)

55. (Currently Amended) A method of performing at least one fluid operation in a fluid system, said method comprising:

structuring a first check valve to permit fluid flow therethrough in response to application of positive pressure at an inlet of said first check valve, further structuring said first check valve with an outlet in fluid communication with a first portion of a fluid system, wherein the application of positive pressure causes fluid to flow from a common refill/evacuation location through said first check valve into said fluid system;

structuring a second check valve having an outlet in fluid communication with said inlet of said first check valve, further structuring said second check valve to permit fluid flow therethrough in response to application of negative pressure at said outlet of said second check valve, further structuring said second check valve such that said second check valve comprises an inlet of said second check valve being in fluid communication with at least the first portion of said fluid system, wherein the application of negative pressure causes fluid to flow from said fluid system through said second check valve into the common refill/evacuation location; and,

positioning an inlet/outlet port in fluid communication with said inlet of said first check valve and said outlet of said second check valve at ~~a~~the common refill/evacuation location.

56. (Original) The method of Claim 55, wherein said first portion of a fluid system includes at least a pre-filter portion.

57. (Original) The method of Claim 56, further comprising structuring said pre-filter portion of said fluid system for fluid communication with at least one fluid filter.

58. (Original) The method of Claim 55, further comprising positioning said second check valve in fluid communication with at least one fluid reservoir.

59. (Original) The method of Claim 55, further comprising operatively associating at least one quick disconnect with said inlet/outlet port.

60. (Original) The method of Claim 55, further comprising operatively associating at least one fluid component in fluid communication with said inlet/outlet port.

61. (Original) The method of Claim 55, further comprising applying positive pressure at said common refill/evacuation location.

62. (Original) The method of Claim 61, further comprising applying negative pressure at said common refill/evacuation location after said applying positive pressure at said common refill/evacuation location.

63. (Original) The method of Claim 61, further comprising performing at least one fluid refill operation by said applying positive pressure at said common refill/evacuation location.

64. (Original) The method of Claim 61, further comprising performing at least one filter purge operation by said applying positive pressure at said common refill/evacuation location.

65. (Original) The method of Claim 55, further comprising applying negative pressure at said common refill/evacuation location.

66. (Original) The method of Claim 65, further comprising applying positive pressure at said common refill/evacuation location after said applying negative pressure at said common refill/evacuation location.

67. (Original) The method of Claim 65, further comprising performing at least one fluid evacuation operation by said applying negative pressure at said common refill/evacuation location.

68. (Currently Amended) A method of performing a fluid operation, said method comprising:

structuring a first check valve to permit fluid flow therethrough in response to application of positive pressure at an inlet of said first check valve, further structuring said first check valve with an outlet in fluid communication with a portion of a fluid system, wherein the application of positive pressure causes fluid to flow from a common refill/evacuation location through said first check valve into said fluid system;

structuring a second check valve having an outlet in fluid communication with said inlet of said first check valve, further structuring said second check valve to permit fluid flow therethrough in response to application of negative pressure at said outlet of said second check valve, further structuring said second check valve such that said second check valve

comprises an inlet of said second check valve being in fluid communication with at least a portion of said fluid system, wherein the application of negative pressure causes fluid to flow from said fluid system through said second check valve into the common refill/evacuation location;

positioning an inlet/outlet port in fluid communication with said inlet of said first check valve and said outlet of said second check valve at ~~a~~the common refill/evacuation location;

applying positive pressure at said common refill/evacuation location to purge at least a pre-filter portion of said portion of a fluid system;

applying negative pressure at said common refill/evacuation location to evacuate fluid through said inlet/outlet port; and,

applying positive pressure at said common refill/evacuation location to refill at least one fluid through at least said portion of a fluid system.

69. (Original) The method of Claim 68, wherein said portion of a fluid system includes at least one fluid filter.

Claims 70-80 (Cancelled).

81. (New) A valve assembly comprising:

a first check valve structured to permit fluid flow therethrough in response to application of positive pressure at an inlet of said first check valve, further comprising an

outlet of said first check valve being in fluid communication with at least a portion of a fluid system, wherein the application of positive pressure causes fluid to flow from a common refill/evacuation location through said first check valve into said fluid system;

a second check valve having an outlet in fluid communication with said inlet of said first check valve, said second check valve being structured to permit fluid flow therethrough in response to application of negative pressure at said outlet of said second check valve, further comprising an inlet of said second check valve being in fluid communication with at least a portion of said fluid system, wherein the application of negative pressure causes fluid to flow from said fluid system through said second check valve into the common refill/evacuation location;

an inlet/outlet port in fluid communication with said inlet of said first check valve and said outlet of said second check valve at the common refill/evacuation location; and,

a pre-filter portion of said fluid system being in fluid communication with at least one fluid filter.